(19) World Intellectual Property Organization

International Bureau



549243 i 1880 iliyada il Colina vari bayya asini ara i ili bayya asini bayya asini aray bayya asini bayya i bayya i b

(10) International Publication Number

(43) International Publication Date 21 October 2004 (21.10.2004)

(51) International Patent Classification7: C08L 83/04.

(21) International Application Number:

PCT/JP2004/004332

(22) International Filing Date: 26 March 2004 (26.03.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 2003-103303

57/06

7 April 2003 (07.04.2003)

- (71) Applicant (for all designated States except US): NIPPON SHOKUBAI CO., LTD. [JP/JP]; 1-1, Koraibashi 4-chome, Chuo-ku, Osaka-shi, Osaka 5410043 (JP).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): SASAKI, Yoshikuni [JP/JP]; 1-406, 5, Nishi-machi, Takatsuki-shi, Osaka 5690854 (JP). ANDO, Nobuyuki [JP/JP]; 12-5, Kaminosho-cho, Nikaido, Tenri-shi, Nara 6320081 (JP). HIRAUCHI, Tatsushi [JP/JP]; 4-52, Nakanoshima-cho, Suita-shi, Osaka 5640035 (JP). IKEDA, Hayato [JP/JP]; 6-13-22-5, Rokujonishi, Nara-shi, Nara 6308044 (JP), KU-RAMOTO, Shigefumi [JP/JP]; 2-33-4, Minaminosaka. Kawanishi-shi, Hyogo 6660136 (JP).

(74) Agent: MATSUMOTO, Takehiko; 25-6, Hannan-cho 1-chome, Abeno-ku, Osaka-shi, Osaka 5450021 (JP).

WO 2004/090040 A1

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: ADDITIVE FOR OPTICAL RESINS, AND OPTICAL RESIN COMPOSITION

(57) Abstract: There is disclosed an additive for optical resins, wherein, even taking optical uses into consideration, the additive falls off little from such as binder resin layers or resin base materials and enables the exercise of uniform light diffusibility, without luminance unevenness, and high face luminescence. There is further disclosed an optical resin composition which comprises the above additive and a transparent resin and can display very excellent performances in optical properties such as no luminance unevenness and the face luminescence in the case of being employed for optical uses. The additive for optical resins is characterized by comprising organic-inorganic-composite particles having a structure including an organic polymer framework and a polysiloxane framework as essential frameworks. The optical resin composition is characterized by comprising the above additive for optical resins, according to the present invention, and a transparent resin.

